

# Safety Data Sheet

Date 01-01-2021 Rev# 01

## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **Relatech Food Machinery Gear Oil 220**

Manufacturer or Supplier's Details: Reladyne, LLC  
290 E, Joe Orr Road  
Chicago Heights, IL 60411  
United States

Emergency Telephone Number: INFOTRAC 800-535-5053  
Poison Control Center: Consult local  
telephone directory for emergency number(s).

Recommended use: This material is recommended for use in  
applications where a food grade lubricant is  
recommended. (Excipient use only).

RelaDyne, LLC  
708-599-8700

Prepared By

## **SECTION 2. HAZARDS IDENTIFICATION**

### **EMERGENCY OVERVIEW**

<b>Appearance</b>	Liquid
<b>Color</b>	Clear and Bright
<b>Odor</b>	No odor or slight petroleum oil like

### **GHS Classification**

Aspiration Hazard: Not a hazardous substance or mixture

### **GHS Label Element**

Hazard Pictograms: Not a hazardous substance or mixture

**Signal Word:** None

**Hazard Statements:** None special

**Precautionary Statements:** None Special

**Potential Health Effects**

Primary Routes of Entry: Eye Contact  
Ingestion  
Inhalation  
Skin Contact

**Aggravated Medical Condition:** None Known

**Carcinogenicity:**

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product preset at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known anticipated or carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture: Substance

**Hazardous Components**

Chemical Name	CAS-No.	Concentration (%)
White Mineral Oil (petroleum)	8042-47-5	>70-98%

**SECTION 4. FIRST AID MEASURES**

If inhaled:	Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.
In case of skin contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or used recognized skin cleanser. Wash clothing before reuse. See medical advice.
In case of eye contact:	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Obtain medical attention.
If swallowed:	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or position control center. Never give anything by mouth to an unconscious person. See medical advice.
Most important symptoms and effects, both acute and delayed:	First aider needs to protect himself.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media:	No information available.
Specific hazards during firefighting:	Cool closed containers exposed to fire with water spray.
Hazardous Combustion Products:	Carbon oxides (CO, CO <sub>2</sub> ) smoke and irritating vapors as products of incomplete combustion.

Further Information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6. ACCIDENTAL RELEASE MEASURE**

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

Environmental Precautions:

Do not allow uncontrolled discharge or product into the environment.

Methods and Materials for Containment and Cleaning Up:

Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

## **SECTION 7. HANDLING AND STORAGE**

Advice on Safe Handling:

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

Conditions for Safe Storage:

Store in original container  
Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. To maintain product quality, do not store in heat or direct sunlight.

## **SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering Measures:**

No special ventilation requirements. Good general ventilation should be sufficient to control workers exposure to airborne containments.

**Personal Protective Equipment  
Respiratory Protection:**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Filter Type:**

Organic Vapor Filter

**Hand Protection Material:**

Neoprene, nitrile, polyvinyl alcohol (PVA), Viton (R).

**Remarks:**

Chemical-resistant, impervious gloves complying with approved standards should be work at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye Protection:**

Wear face-shield and protective suit for abnormal processing problems.

**Skin and Body Protection:**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Protective Measures:**

Wash contaminated clothing before re-use. No special protective equipment required.

**Hygiene Measures:**

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Liquid

Color:	Clear and Bright
Odor:	No odor or slight petroleum oil like.
Odor Threshold:	No data available
pH:	No data available
Pour Point:	-12 °C (10 °F)
Boiling Point/Boiling Range	No data available
Flash Point	> 268 °C (514 °F) Method: Cleveland open cup
Fire Point	No data available
Auto-Ignition Temperature:	No data available
Evaporation Rate:	No data available
Flammability:	Low fire hazard. This material must be heated before ignition will occur.
Upper Explosion Limit:	No data available
Lower Explosion Limit	No data available
Vapor Pressure:	No data available
Relative vapor density:	No data available
Density:	0.874 kg/l (15 °C / 59 °F)
Solubility(ies)	
Water Solubility:	Insoluble
Partition coefficient: noctanol/water:	No data available
Viscosity, kinematic:	220 cSt (40 °C / 104 °F) Typical
Explosive Properties:	Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## **SECTION 10. STABILITY AND REACTIVITY**

Possibility of Hazardous Reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Condition to Avoid:	No data available.
Incompatible Materials:	Reactive with oxidizing agents.
Hazardous Decomposition Products:	May release Cox, smoke and irritation vapors when heated to decomposition.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on Likely Eye Contact	Eyes
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Routes of Exposure:

Ingestion  
Inhalation  
Skin Contact

**Acute Toxicity**

**Product:**

Acute Oral Toxicity

Remarks: No data available

Acute Inhalation Toxicity

Remarks: No data available

Acute Dermal Toxicity

Remarks: No data available

**Components:**

**White Mineral Oil (Petroleum):**

Acute Oral Toxicity

LD50 (Rat): > 5,000 mg/kg

Acute Inhalation Toxicity

LC50 (Rat): > 5.2 mg/l

Exposure time: 4 h

Test Atmosphere: dust/mist

Acute Dermal Toxicity

LD50 (Rabbit): >2,000 mg/kg

**Skin Corrosion/Irritation**

**Product:**

**Remarks:**

No data available

**Components:**

**White Mineral Oil (Petroleum):**

**Result: Mild Skin Irritation**

**Serious Eye Damage/Eye Irritation**

**Product:**

**Remarks:**

No data available

**Components:**

**White Mineral Oil (Petroleum):**

**Result: Mild Skin Irritation**

Respiratory or Skin Sensitisation

No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

No data available

Reproductive Toxicity

No data available

STOT-Single Exposure

No data available

STOT-Repeated Exposure

No data available

## **SECTION 12. ECOLOGICAL INFORMATION**

### **ECOTOXICITY**

#### **PRODUCT:**

Toxicity to Fish:	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to Algae	No data available
Toxicity to Bacteria	No data available

### **PERSISTENCE and DEGRADABILITY**

#### **PRODUCT:**

Biodegradability:	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Affects	No data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Waste from Residues:	The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labeled prior to recycling or disposal. Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local national regulations. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.
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## **SECTION 14. TRANSPORT INFORMATION**

### **International Regulation**

IATA-DGR	Not regulated as a dangerous good
IMDG-CODE	Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

49 CFR	Not regulated as a dangerous good
TDG	Not regulated as a dangerous good
Special precautions for user	Not Applicable



## **SECTION 15. REGULATORY INFORMATION**

OSHA Hazards: No OSHA Hazards

The components of this product are reported in the following inventories:

DSL: On the inventory or in compliance with the inventory.

TSCA: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

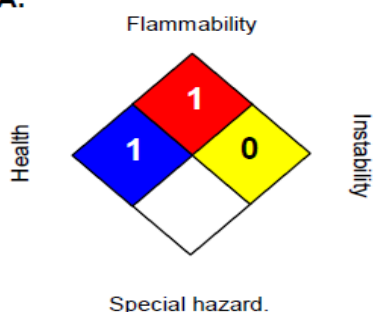
EINECS: On the inventory or in compliance with the inventory.

## **SECTION 16. OTHER INFORMATION**

**FURTHER INFORMATION NSF Reg. No. 164254 CRC No. 402 FDA 21CFR 178.3570**



**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

**For Copy of SDS:**

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60411 United States  
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